



PTO/SB/08a/b (08-03)

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Substitute for form 1449A/B/PTO				<b>Complete if Known</b>	
				Application Number	09/474,677
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				Filing Date	December 29, 1999
				First Named Inventor	Yash Sharma
				Art Unit	1644
				Examiner Name	Ronald B. Schwadron, PhD
Sheet	1	of	1	Attorney Docket Number	66262-00002USPT

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA**				
	AB**				
	AC**				
	AD**				
	AE**				
	AF**				

FOREIGN PATENT DOCUMENTS						
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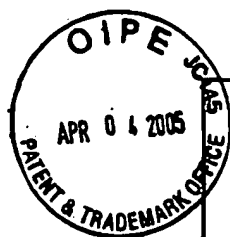
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
M		Takashi SUZUKI, et al., "Swine influenza virus strains recognize sialylsugar chains containing the molecular species of sialic acid predominantly present in the swine tracheal epithelium" FEBS Letters, 404, March 10, 1997, pages 192-196	
M		P.E. LOBERT, et al., "Cell membrane bound N-acetylneuraminic acid is involved in the infection of fibroblasts and phorbol-ester differentiated monocyte-like cells with human cytomegalovirus (HCMV)" Archives of Virology, 140, 1995, pages 1357-1371	
✓		Beate SCHULTZE, et al., "Transmissible Gastroenteritis Coronavirus, but Not the Related Porcine Respiratory Coronavirus, Has a Sialic Acid (N-Glycolylneuraminic Acid) Binding Activity" Journal of Virology, August 1996, pages 5634-5637	

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		Number-Kind Code <sup>2</sup> (if known)			
MS	AA**	4,774,327	09-27-1988	Ogura et al.	
	AB**	5,459,031	10-17-1995	Blumen et al.	
	AC**	5,888,514	03-30-1999	Weisman	
	AD**	5,985,330	11-16-1999	Collin	
MS	AE**	6,143,533	11-07-2000	Sumi et al.	
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MS	AG**	20020176887	11-28-2002	Lord et al.	
MS	AH**	20030165480	09-04-2003	Zhu	
MS		20040039066	02-26-2001	Crea	

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MS		Muchmore, E.A., Chimpanzee models for human disease and immunobiology. Immunol Rev. 2001; 183:86-93.	
MS		Taiyeb-Ali, et al., Efficacy of 'Gamadent' toothpaste on the healing of gingival tissues, a preliminary report. J Oral Sci 2003; 45:153-159.	
MS		Buscher, H.P., et al., Biosynthesis of N-glycolylneuraminic acid in porcine submandibular glands. Subcellular site of hydroxylation of N-acetylneuraminic acid in the course of glycoprotein biosynthesis. Eur J Biochem. 1977; 77(2):297-310.	
		<del>NIAD Anti-HIV Compound Lukor</del>	
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MS		Muchmore, et al., Biosynthesis of N-Glycolylneuraminic Acid. J of Biol Chem 1989; 264(34):20216-20223.	
MS		Shaw and Schauer, The biosynthesis of N-glycolylneuraminic acid occurs by hydroxylation of the CMP-glycoside of N-acetylneuraminic acid. Biol Chem Hoppe Seyler 1988; 369(6):477-486.	
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✓		Holothuroidea gumi, Cucumaria echinata. Prep Bioch and Biotech 2001; 31:135-146.
M1		McAuliffe, J., et al., Synthesis of O-glycolyl-linked neuraminic acids through a spirocyclic intermediate. Org Lett. 2002;4(18):3067-3069.
M4		Varki and Diaz, The release and purification of sialic acids from glycoconjugates: methods to minimize the loss and migration of O-acetyl groups. Anal Biochem 1984; 137(1):236-247.
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M1		Chou, et al., A mutation in human CMP-sialic acid hydroxylase occurred after the Homo-Pan divergence. Proc Natl Acad Sci U S A. 1998; 95(20): 11751-11756.
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		<del>Paillard and Blohm, [Synthesis of N-glycolyneuraminic acid]. Hoppe Seylers Z Physiol Chem. 1965;341(4):167-171. German.</del>
		<del>Meindl and Tuppy, Monatshefte fuer Chemie, 1969;100:1295-1306.</del>
		<del>Wirtz-Peitz, et al., [Synthesis of N-acyl-neuraminic acids from neuraminic acid-beta-methylglycoside. II]. Hoppe Seylers Z Physiol Chem. 1969;350(2):111-115. German.</del>
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M4		Chai, et al., Characterisation by mass spectrometry and 1H-NMR of novel hexasaccharides


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M1	Dwek, Glycobiology: Toward Understanding the Function of Sugars. Chem Rev. 1996;96(2):683-720.	
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M1	Normile D. Comparative genomics. Gene expression differs in human and chimp brains.Science. 2001 Apr 6;292(5514):44-45.	
M1	Moreno E, et al. Delineation of the epitope recognized by an antibody specific for N-glycolylneuraminic acid-containing gangliosides. Glycobiology. 1998 Jul;8(7):695-705.	
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	<del>www.zooscape.com/cgi-bin/maitred/GreenCanyon/Questp405475 Joint Support</del>	
	<del>www.pnas.org/cgi/content/full/2131556100/DC1/7 Table 2. Sia and Neu5Gc content of common food items</del>	
	<del>www.seacucumber.cn/english/theory.asp</del>	
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